

Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using SW model.

Run on: September 2, 2005, 20:55:49 ; Search time 167 Seconds (without alignments) 173.895 Million cell updates/sec

Title: US-10-796-486-2

Perfect score: 75

Sequence: 1 MPTWVFFEVITLTSNSSHCS... DIMSRQGERNQEQGARYLJ 75

Scoring table: OLIGO Gapop 60.0 , Gapext 60.0

Searched: 2105692 seqs, 388760381 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : A_GenSeq_16Dec04;*

1: genSeqD1980;*

2: genSeqD1990;*

3: genSeqD2000;*

4: genSeqD2001;*

5: genSeqD2002;*

6: genSeqD2003;*

7: genSeqD2003;*

8: genSeqD2004;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	75	100.0	75	AAB36979	Aab36979 Porcine 9
2	64	100.0	75	AAU58073	Aau58073 Human/pig
3	64	85.3	107	1 AAP51097	Aap51097 Sequence
4	64	85.3	108	1 AAP51098	Aap51098 Sequence
5	64	85.3	108	6 ABP58377	ABP58377 Human gro
6	64	85.3	108	7 ADP15156	Adp15156 Human alb
7	64	85.3	108	8 ADQ21660	Adq21660 Human sof
8	60.0	106	2 AAR215449	Aar215449 Ser 9 pgr	
9	44	58.7	44	1 AAP5141	Aap5141 Sequence
10	44	58.7	44	1 AAP71496	Aap71496 Growth ho
11	44	58.7	44	2 AAR24174	Aar24174 Human gro
12	44	58.7	44	2 AAW29416	Aaw29416 Growth ho
13	44	58.7	44	4 AAB6172	Aab6172 Porcine G
14	44	58.7	76	2 AAR24169	Aar24169 Growth ho
15	40	53.3	40	2 AAR24169	Aar24169 Growth ho
16	40	53.3	40	4 AAB6172	Aab6172 Porcine G
17	40	53.3	40	5 ABB78057	Abb78057 Amino aci
18	40	53.3	40	6 AAB25251	Aab25251 Porcine 9
19	40	53.3	40	6 AAO30856	Aao30856 Porcine 9
20	40	53.3	40	6 AAC29866	Aac29866 Porcine 9
21	40	53.3	40	7 ABR84643	Abt84643 Porcine 9
22	40	53.3	40	8 ADF90301	Adf90301 Porcine 9
23	40	53.3	40	8 ADF90296	Adf90296 GHRH rela
24	40	53.3	40	8 ADI61792	Adi61792 GHRH aman
25	40	53.3	40	8 ADL70447	Adl70447 Pig growth

RESULT 1
AAB36979 standard; protein: 75 AA.

ID AAB36979 standard; protein: 75 AA.

XX AAB36979;

XX AC

XX DT 28-FEB-2001 (first entry)

XX DE Porcine growth hormone-releasing hormone.

XX KW GHRH; growth hormone-releasing hormone; enzyme degradation.

XX OS Sub scrofa.

XX PR BP1052286-A2.

XX PR 99US-0128830P.

XX PR 12-APR-1999;

XX PR PR

XX PA (PFIZER) PFIZER PROD INC.

XX PI Morsey MA, Sheppard MG;

XX DR WPI: 2001-026585/04.

XX PT New polypeptide variants of growth hormone releasing hormone with enhanced resistance to enzymatic degradation, useful for treating growth hormone deficiency related disorders or to improve growth and performance.

XX PT Example; Page 19-20; 67pp; English.

XX CC The present invention relates to growth hormone-releasing hormone (GHRH) variants having enhanced resistance to enzymatic degradation. The variant GHRH polypeptides can be administered to animals to treat growth hormone deficiency related disorders, or to improve growth and/or performance.

CC The variants can be included in pharmaceutical compositions to promote expression and elevation of growth hormone. The variants can be produced recombinantly at much higher levels than prior art variants modified using traditional chemical methods. They have enhanced resistance to enzymatic degradation, therefore have increased length of activity

SQ Sequence 75 AA;

Query Match 100.0%; Score 75; DB 4; Length 75;

ALIGNMENTS